UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------Oil Trust Fund

Sample Collection Date(s)-- 07/29/10

Contact---------- Rich Mayer (6PD-F)

Report Date---------- 08/03/10

Project #---------- 10REG213

Work Order(s)----------1007039

Analyses included in this report:

LC DOSS

Report Narrative

Sample Management:

The analysis of samples 1007039-01 through 1007039-04 was cancelled because they were listed in the pre-log files but were not received by the laboratory.

DOSS:

DOSS was not found in the samples at or above the reporting limit.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

90096017

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund Project Number: 10REG213

Data Management Coordinator: Christy Warren

_____ / /

Data Management Coordinator Signature Date

Date Transmitted: _____/_____/_____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____/_____/_____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____

Signature Date

Please provide a reason for holding:

Environmental Protection Agency

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T005-0012-100729-SW-1	1007039-05	Liquid	7/29/10 9:50	07/30/10 09:40
T005-0013-100729-SW-1	1007039-06	Liquid	7/29/10 10:25	07/30/10 09:40
T005-0014-100729-SW-1	1007039-07	Liquid	7/29/10 10:50	07/30/10 09:40
T005-0015-100729-SW-1	1007039-08	Liquid	7/29/10 11:25	07/30/10 09:40
T007-0005-100729-SW-1	1007039-09	Liquid	7/29/10 9:15	07/30/10 09:40
T007-0006-100729-SW-1	1007039-10	Liquid	7/29/10 9:55	07/30/10 09:40
T007-BG06-100729-SW-1	1007039-11	Liquid	7/29/10 12:05	07/30/10 09:40

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DOSS by LC/MS/MS

Lab ID: 1007039-05 **Station ID: T005-0012-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	181		109	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/30/10	07/30/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1007039-06 **Station ID: T005-0013-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	179		103	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-07 **Station ID: T005-0014-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	177		97.3	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-08 **Station ID: T005-0015-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	187		108	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-09 **Station ID: T007-0005-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	162		97.4	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-10 **Station ID: T007-0006-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	199		109	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS

Lab ID: 1007039-11 **Station ID: T007-BG06-100729-SW-1**

Batch: B0G3001 Date Collected: 07/29/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	187		103	50-150	07/30/10	07/30/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/30/10	07/30/10

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DOSS by LC/MS/MS - Quality Control

Batch: B0G3001 **Sample Type: Liquid**

Blank (B0G3001-BLK1)
Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	205		200	102	50-150

Blank (B0G3001-BLK1)
Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	U		20.0			

LCS (B0G3001-BS1)
Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	201		200	100	50-150

LCS (B0G3001-BS1)
Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	88.0		20.0	87.5	101	50-150		

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DOSS by LC/MS/MS - Quality Control

Batch: B0G3001 **Sample Type: Liquid**

Matrix Spike (B0G3001-MS1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	187		174	107	50-150

Matrix Spike (B0G3001-MS1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	72.5		20.0	76.1		95.3	50-150		

Matrix Spike Dup (B0G3001-MSD1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	193		174	111	50-150

Matrix Spike Dup (B0G3001-MSD1)

Source: 1007039-05 Prepared: 7/30/2010 Analyzed: 7/30/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	76.4		20.0	76.1		100	50-150	5.26	30

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CHAIN OF CUSTODY RECORD

No: T0033-100402-20100729-06

R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T005-0012-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	09:50	6	40 ml VOA	4 C	Y
	T005-0013-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10:25	2	40 ml VOA	4 C	N
	T005-0014-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10:50	2	40 ml VOA	4 C	N
	T005-0015-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	11:25	2	40 ml VOA	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		7.29.10		7.29.10	16:30			7/30/10		7/30/10	9:40
				7/30/10	0030			9:40			
		7/30/10		7/30/10	730						
		0730		7.30.10	945						

Sample Temp: 1°C

Environmental Protection Agency

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CHAIN OF CUSTODY RECORD

No: T0033-100402-20100729-06

R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Items/Reason	Numb Cont	Container	Preservative	MS/MSD
	T005-0012-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	09:50		6	40 ml VOA	4 C	Y
	T005-0013-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10:25		2	40 ml VOA	4 C	N
	T005-0014-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	10:50		2	40 ml VOA	4 C	N
	T005-0015-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	11:25		2	40 ml VOA	4 C	N

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by	Date	Received by	Date	Time
		7-29-10		7-29-10	16:30
		7-29-10		7/30/10	0220
		7/30/10		7/30/10	730
		7/30/10		7/30/10	925

Relinquished By	Date	Received by	Date	Time
	7/30/10 9:40	Isaiah Harris	7/30/10	9:40

Sample Temp: 1°C

Environmental Protection Agency
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CHAIN OF CUSTODY RECORD

Site #: R06DW

No: T0033-100403-20100729-004

Contact: Kristie Warr
Phone: 713.985.6636

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T007-0005-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	09:15	4	40 ml VOA	4 C	N
	T007-0006-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	09:55	6	40 ml VOA	4 C	Y
	T007-BG06-100729-SW-1	DOSS	Surface Water	Grab	7/29/2010	12:05	2	40 ml VOA	4 C	N

Special Instructions: Sample Coolers Custody Sealed upon receipt.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL	HUDSON GRANTS	7/29/10		7/29/10	1545						
		7/29/10		7/30/10	0230						
		7/30/10 0730		7/30/10	1230						
		7/30/10		7/30/10	935			7/30/10 0940	Isaiah Harris	7/30/10	9:40

Sample Temp: 1°C

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Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.